MIDMARK® Installation Instructions

002-0373-0X Timer Kit for Model M7 Sterilizers

KIT COMPONENTS

Part Number	Description	Qty.
002-0373-00	Timer Kit (120 VAC)	
• 015-0744-00	Timer (120 VAC)	1
• 015-0745-02	Buzzer (120 VAC)	1
	or	
002-0373-01	Timer Kit (230 VAC)	
• 015-0744-01	Timer (230 VAC)	1
• 015-0745-03	Buzzer (230 VAC)	1
	both kits also include:	
040-0008-29	Screw, Phillips (#8-32 x 5/16")	2
003-0636-00	Installation Instructions	1

REQUIRED TOOLS

Phillips Screwdriver
9/16" Deep Well Socket or wrench
5/64" Allen Wrench
3/16" Drill Bit
Electric Drill
Center Punch
Measuring Rule (6")

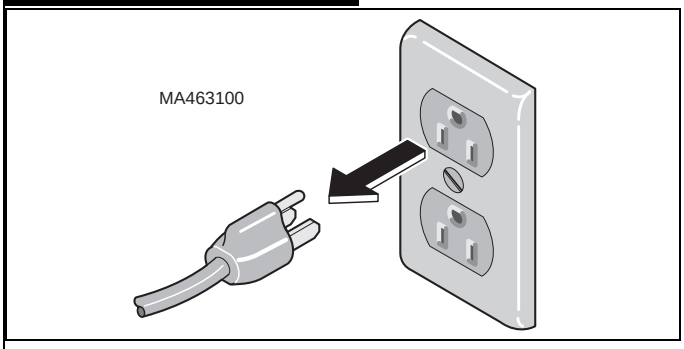
IMPORTANT INSTRUCTIONS

Provides the necessary parts to replace Timer and buzzer assemblies on the M7 Sterilizer.

WARNING

<u>Always</u> disconnect power cord from outlet before removing any sterilizer covers/panels or making any repairs to prevent possibility of electrical shock and allow unit to cool. Failure to comply could result in personal injury.

INSTALLATION (1)

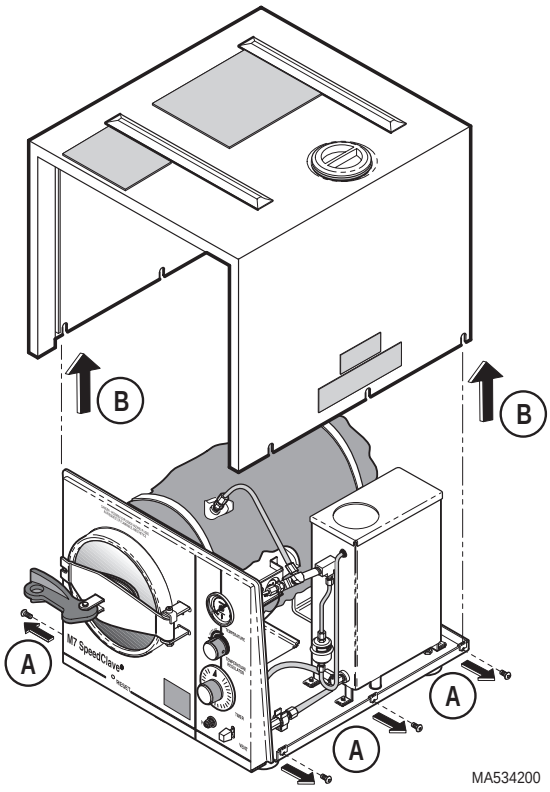


WARNING

Disconnect power cord from electrical outlet and allow unit to cool before working on sterilizer.

A. Disconnect power cord from electrical outlet, allow unit to cool and remove any internal pressure in chamber.

INSTALLATION (2)



A. Loosen six screws on sides of sterilizer.
B. Remove cover assembly.

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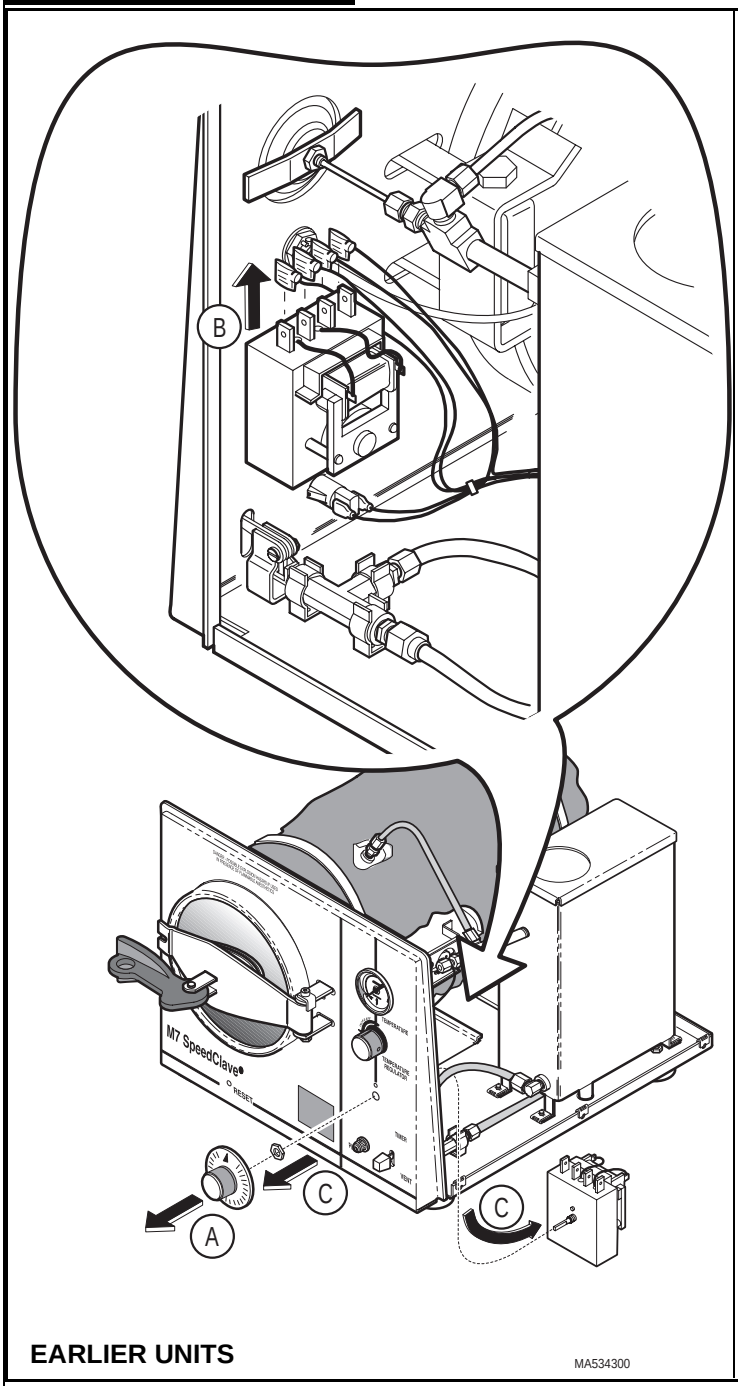
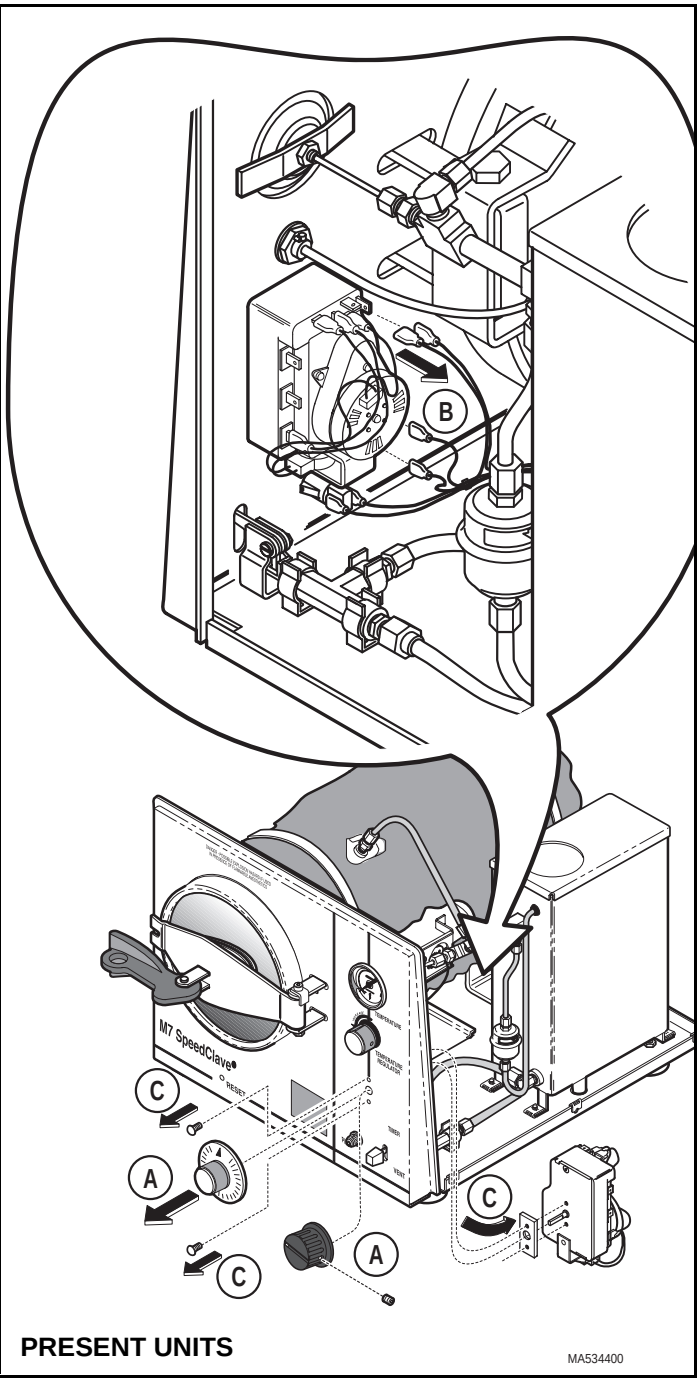
INSTALLATION (3)



EARLIER UNITS MA534300



PRESENT UNITS MA534400

A. Remove timer knob. Certain units have a pull off timer knob, while other units may have an allen screw securing the knob to the timer shaft and require a 5/64" allen wrench to loosen screw.

NOTE

On some timers the timer buzzer is attached directly to the timer while others may have the buzzer mounted on the temperature regulator bracket located on the side of the chamber.

B. Tag then disconnect electrical connections on timer assembly.

NOTE

The timer assembly may be secured to the front panel by either a 3/8" nut on the timer shaft or by two phillip screws. Also, a rectangular, spacer may be located on the timer shaft. The spacer permitted a flush mounting against the front panel when the buzzer was mounted on the timer. It is <u>not</u> used when replacing the timer as the buzzer will be mounted on the temperature regulator bracket of the chamber.

C. Remove the 3/8" nut or two phillip head screws and remove timer assembly and, if present, spacer.

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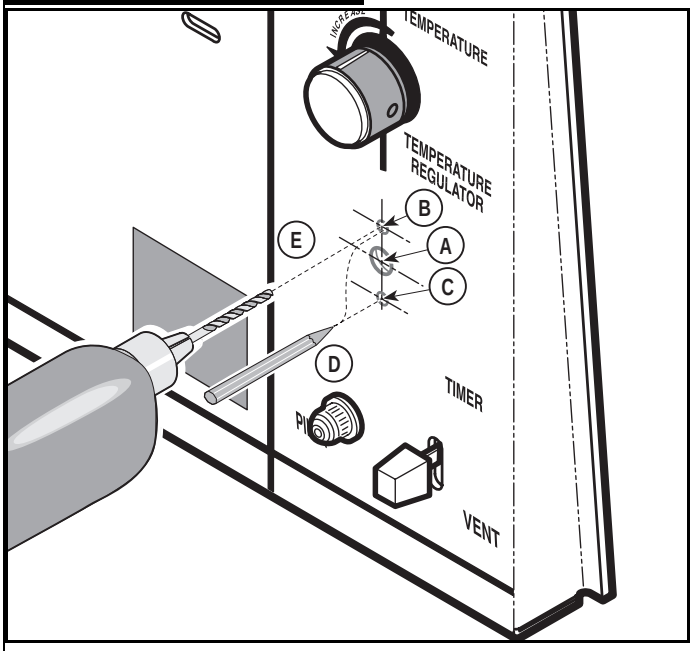
INSTALLATION (4)

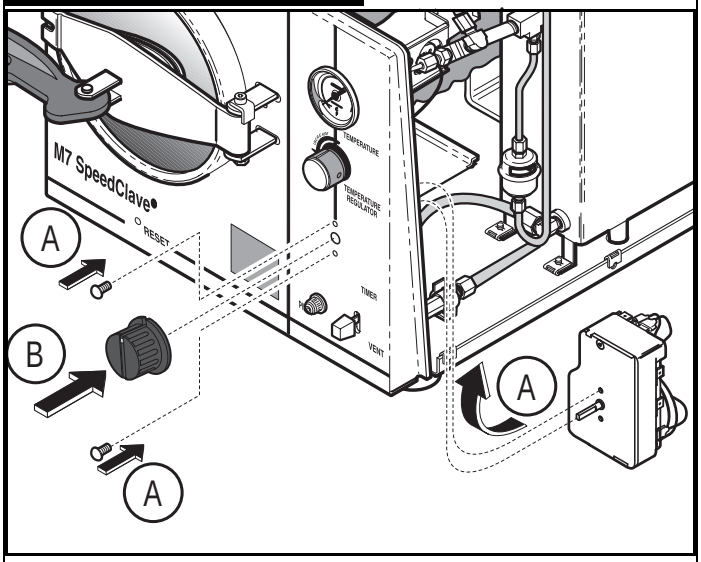


NOTE

On older unit that used the 3/8" nut to secure the timer to the front panel it will be necessary to drill two new 3/16" holes to mount the replacement timer. The holes must be vertically in-line with the center of the timer shaft hole.

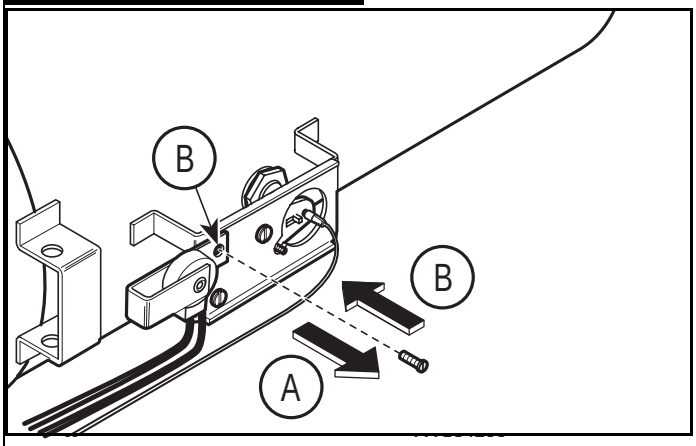
- **A.** Find the center of the shaft hole for the timer and draw light, vertical and horizontal lines from it.
- **B.** Measure vertically upward from the center line 9/16” (1.43 cm) and make a mark.
- **C.** Measure vertically downward from the center line 9/16" (1.43 cm) and make a mark.
- **D.** Center punch both marks.
- **E.** Drill a 3/16" hole at each center punched mark.

INSTALLATION (5)



- **A.** Place timer in position and secure with two #8-32 x 5/16" screws.
- **B.** Install timer knob and, if necessary, tighten allen set screw on knob.

INSTALLATION (6)

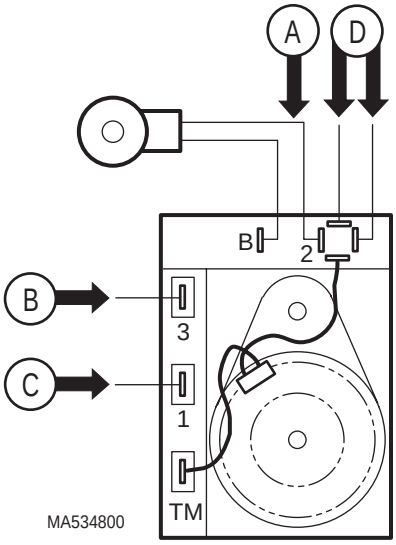


NOTE

The buzzer assembly is no longer mounted to the timer assembly. It is now mounted on the temperature control bracket, on the right side of the chamber.

- **A.** Remove the top, left side screw that secures the relay assembly to the bracket.
- **B.** Place the buzzer assembly in position on the bracket and install the screw.

INSTALLATION (7)



NOTE

If necessary, refer to the Service and Parts manual, Section V, for specific schematics and diagrams that pertain to the particular serial number of the unit.

- **A.** Connect the buzzer (yellow) leads to terminals B and 2
- **B.** Connect the temperature regulator relay (white) lead to terminal 3.
- **C.** Connect the (red) lead from the low water thermostat(s) to terminal 1.
- **D.** Connect the two (yellow) leads from the pilot light and heating element to terminal 2.

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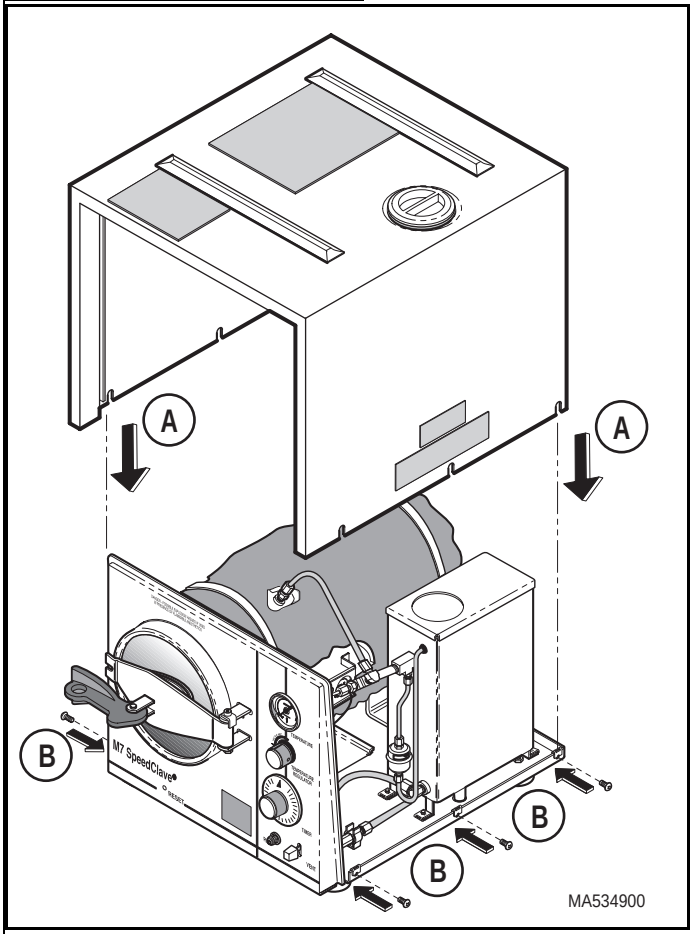
INSTALLATION (8)



A. Place the cover in position.

B. Tighten the six screws to secure cover.

NOTE

Assure system is clean then plug unit into electrical outlet. Run a cycle to check operation.

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